

# Pacific Islands - Online Climate Outlook Forum (OCOF) No. 157

Country: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)	Jul-2020	Aug-2020	Sep-2020				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Northern Region							
Sola (1971-2020)	595.2	183.9	471.4	165.1	267.0	235.3	45/48
Pekoa (1971-2020)	65.5	189.9	103.9	56.1	137.0	76.6	28/50
Lamap (1961-2020)				44.0	105.1	77.9	
Southern Region							
Bauerfield (1972-2020)	38.8	135.2	89.6	40.9	104.2	61.3	31/48
Port Vila (1953-2020)	27.5	77.5	91.0	46.4	105.7	74.5	41/68
Whitegrass (1972-2020)	9.5	133.5	23.5	18.7	62.9	31.2	22/48
Aneityum (1952-2020)	146.4	163.5	72.0	60.1	121.0	91.2	28/69

**TABLE 2: Three-month Rainfall for July to September 2020**

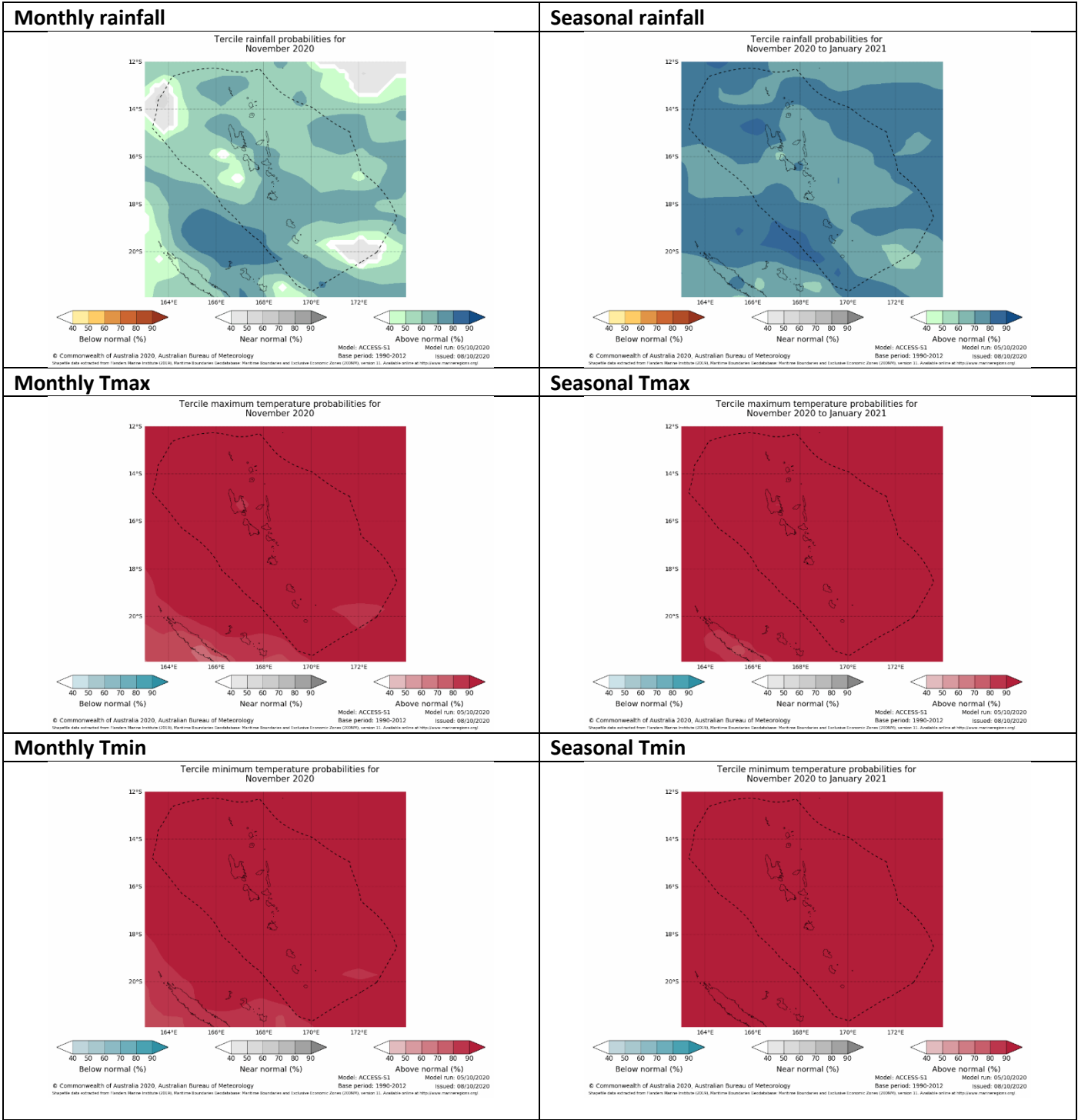
Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 April-May 2020				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Northern Region											
Sola (1971-2020)	1250.5	Above normal	529.3	831.0	619.4	45/46	37	35	28	7	Inconsistent
Pekoa (1971-2020)	359.3	Normal	202.0	395.6	300.6	29/50	39	36	25	16	Near-consistent
Lamap (1961-2020)			196.8	299.3	243.5		40	38	22	13	
Southern Region											
Bauerfield (1972-2020)	263.6	Normal	179.0	273.0	235.6	32/48	39	41	20	29	Consistent
Port Vila (1953-2020)	196.0	Normal	187.2	327.4	255.6	25/68	42	38	20	20	Near-consistent
Whitegrass (1972-2020)	166.5	Normal	106.1	180.9	127.2	28/48	40	32	28	14	Near-consistent
Aneityum (1952-2020)	381.9	Above normal	267.1	372.9	330.9	48/69	40	32	28	10	Inconsistent

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for November 2020 to January 2021**  
**Predictor and Period used: NINO3.4 for August to September 2020**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
<b>Northern Region</b>						
Sola (1971-2020)	41	1186.0	59		5	61
Pekoa (1971-2020)	36	622.6	64		11	69
Lamap (1961-2020)	32	467.6	68		20	73
<b>Southern Region</b>						
Bauerfield (1972-2020)	28	553.3	72		22	72
Port Vila (1953-2020)	29	567.4	71		31	79
Whitegrass (1972-2020)	34	325.0	66		15	69
Aneityum (1952-2020)	37	600.0	63		12	63

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)	LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
<b>Northern Region</b>							
Sola (1971-2020)	24	1045.6	36	1357.6	40	4	41
Pekoa (1971-2020)	21	590.9	28	817.7	51	18	47
Lamap (1961-2020)	22	411.7	34	545.3	44	12	53
<b>Southern Region</b>							
Bauerfield (1972-2020)	21	433.7	27	680.6	52	18	53
Port Vila (1953-2020)	16	423.7	36	668.7	48	24	49
Whitegrass (1972-2020)	16	257.7	34	398.9	50	22	50
Aneityum (1952-2020)	20	428.5	38	672.1	42	12	52

TABLE 4: Monthly and Seasonal Climate Outlooks using ACCESS-S for November 2020 to January 2021



Summary Statements

Rainfall for September 2020:

Rainfall recorded for the month of September was above normal at Sola, and normal at the other stations (Pekoa, Bauerfield, Port Vila, Whitegrass and Aneityum). Rainfall for Lamap was still not available.

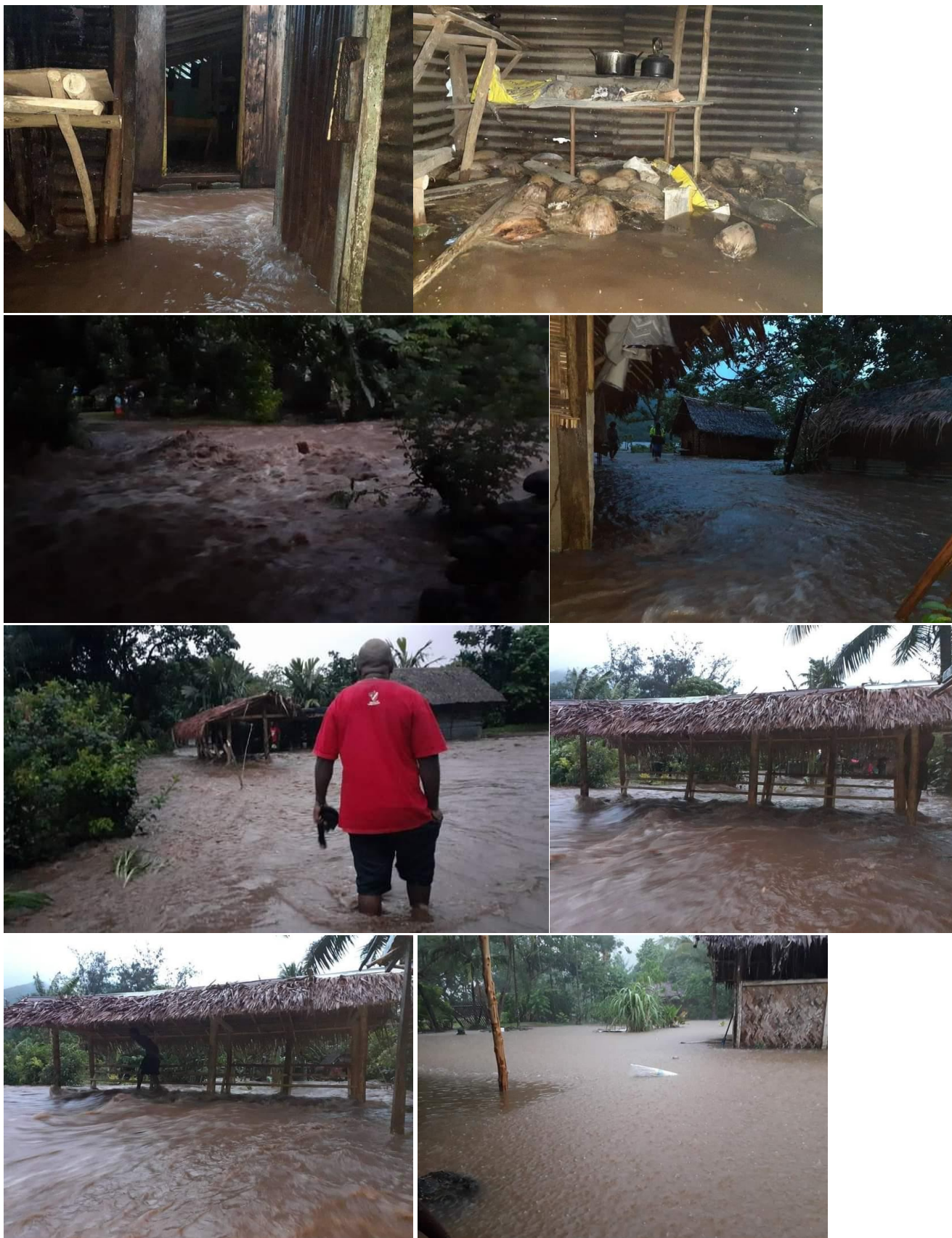
Sola recorded its fourth wettest September on record.

Continuous heavy rainfall experienced through the weekend of 11<sup>th</sup> – 14<sup>th</sup> September has significantly impacted most of the northern islands, which resulted in severe flooding, landslide, and strong wind reported over the Torba, Sanma and Penama group.

**Severe flooding at Sola (Torba Province):**

Credit – Wilfred Woodrow, Morris Mera

<https://m.facebook.com/groups/558036627684741?view=permalink&id=1690590681095991>





## South Maewo Heavily Affected by Landslide (Penama Province):

Credit – Vanuatu Daily Post

[https://dailypost.vu/news/south-maewo-heavily-affected-by-landslide/article\\_cd57754a-fb92-11ea-825a-231f3f7525f4.html](https://dailypost.vu/news/south-maewo-heavily-affected-by-landslide/article_cd57754a-fb92-11ea-825a-231f3f7525f4.html)





**Santo Fishermen Hauling in Boats due to Strong Wind and Rough Seas (Sanma Province):**

**Credit** – Vanuatu Rainfall and Agro-Meteorology Outlook

<https://m.facebook.com/groups/361220933947896?view=permalink&id=4352987211437895>



**Accumulated rainfall for July to September 2020, including outlook verification:**

Rainfall was above normal for Sola and Aneityum, while normal rainfall recorded in other remaining stations. The forecast issued in June was Consistent in one site, Near-consistent at three sites and Inconsistent in two sites.

Sola recorded its second wettest July to September rainfall.

**Outlooks for November 2020 to January 2021:**

**1. SCOPIC**

The outlook favours above normal rainfall for Pekoa, Bauerfield and Whitegrass.

The remaining stations (Sola, Lamap, Port Vila and Aneityum) shows above-normal as the most likely outcome, with normal the next most likely. Below-normal is the least likely.

**2. ACCESS-S:**

**Monthly rainfall:**

The outlook for November favours above-normal for all stations.

#### Monthly maximum and minimum temperature

The outlook favours above-normal for all stations for November.

#### Seasonal rainfall:

The outlook favours above-normal rainfall for all stations for the November 2020 to January 2021 period.

#### Seasonal maximum and minimum temperature:

The outlook favours above-normal for all stations for the November 2020 to January 2021 period.

**NB: The X LEPS % score has been categorised as follows:**





Very Low:  $X < 0.0$       Low:  $0 \leq X < 5$       Moderate  $5 \leq X < 10$       Good:  $10 \leq X < 15$       High:  $15 \leq X < 25$




Very High:  $25 \leq X < 35$       Exceptional:  $X \geq 35$

**TABLE 5: Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders**

Product	Date: September 2020	Stakeholder	Total Number of Participants	Number of male	Number of female
La Niña ALERT Media Release	10 <sup>th</sup>	Vanuatu Daily Post	General Public		
EAR Watch	28 <sup>th</sup>	VMGD-Van-KIRAP Staffs, Oxfam Vanuatu, Action Aid Vanuatu, University of the South Pacific (USP), Vanuatu Statistics Office, SPREP, Vanuatu National Disaster Management Office (NDMO), Media-Vanuatu, Vanuatu Red Cross Society, Matevulu College, Onesua Presbyterian College, Aore Adventist College, Tafea College, CSU, Vanuatu Care International, Save the Children Vanuatu, UNDP, Shefa Education, Live & Learn, UN-Women, Vanuatu Christian Council (VCC), GCF Private Consultants, Vanuatu Society of People Living with Disability, Unelco Vanuatu, World Health Organization, Vanuatu Meteorology & Geo-Hazards Department (Staffs), General Public (Website and VMGD Call-Center).	206	104	102
Vanuatu Ocean Outlook	28 <sup>th</sup>	VMGD-Van-KIRAP Staffs, Oxfam Vanuatu, Action Aid Vanuatu, University of the South Pacific (USP), Vanuatu Statistics Office, SPREP, Vanuatu National Disaster Management Office (NDMO), Media-Vanuatu, Vanuatu Red Cross Society, Matevulu College, Onesua Presbyterian College, Aore Adventist College, Tafea College, CSU, Vanuatu Care International, Save the Children Vanuatu, UNDP, Shefa Education, Live & Learn, UN-Women, Vanuatu Christian Council (VCC), GCF Private Consultants, Vanuatu Society of People Living with Disability, Unelco Vanuatu, World Health Organization, Vanuatu Meteorology & Geo-Hazards Department (Staffs), General Public (Website and VMGD Call-Center).	206	104	102



Vanuatu Climate Update	28 <sup>th</sup>	<p>VMGD-Van-KIRAP Staffs, Oxfam Vanuatu, Action Aid Vanuatu, University of the South Pacific (USP), Vanuatu Statistics Office, SPREP, Vanuatu National Disaster Management Office (NDMO), Media-Vanuatu, Vanuatu Red Cross Society, Matevulu College, Onesua Presbyterian College, Aore Adventist College, Tafea College, CSU, Vanuatu Care International, Save the Children Vanuatu, UNDP, Shefa Education, Live &amp; Learn, UN-Women, Vanuatu Christian Council (VCC), GCF Private Consultants, Vanuatu Society of People Living with Disability, Unelco Vanuatu, World Health Organization, Vanuatu Meteorology &amp; Geo-Hazards Department (Staffs), General Public (Website and VMGD Call-Center).</p>	206	104	102
<p>La Niña awareness</p> <p>Within vulnerable communities around Efate</p>	28 <sup>th</sup>	<p><b>Epau Village Community</b></p>  	127	82	45
	29 <sup>th</sup>	<p><b>Waisisi Community</b></p>  	47	28	19
	29 <sup>th</sup>	<b>Prima Area</b>	23	13	10

					
	29 <sup>th</sup>	<b>Meleamat Area</b> 	92	54	38
	29 <sup>th</sup>	<b>Tamate Area</b> 	28	18	10
<b>Total</b>			523	299	224